

WRITING METHOD AND DISK RECORDING APPARATUS

ABSTRACT OF THE DISCLOSURE

Disclosed are a writing method and a disk recording apparatus for maintaining reproduction reliability relative to a rewritable disk recording medium of a zero link type. In one embodiment, a disk recording apparatus for a rewritable optical disk comprises a first timing detector having a first timing synchronized with a wobble reproduction signal of the rewritable optical disk, and a second timing detector having a second timing synchronized with a track reproduction signal of the rewritable optical disk. A phase difference detector is configured to detect a phase difference between the first timing and the second timing. A controller is configured to determine a recording area based on the detected phase difference. In another embodiment, a selector is configured to select a timing between the first timing and the second timing. A controller is configured to control the selector to select the timing based on the detected phase difference, and to record data on a recording track in accordance with the selected timing.

PA 3309734 v1